

WHAT IS CLAIMED IS:

1. An electrode for treatment, comprising:  
an electric power source;

5 a conducting pad for attaching a human body;

a treatment current supplying means for supplying a pulsed  
current to a body part to which said conducting pad is attached  
on the electric power supply from said electric power source;

a receiving means for receiving an external control signal  
10 at radio transmission; and

a controlling means for controlling said treatment current  
supplying means on the basis of said control signal received by  
said receiving means at radio transmission.

2. The treatment electrode according to claim 1, wherein  
15 said treatment current supplying means is configured so as to stop  
the supply of said pulsed current at a given period.

3. The treatment electrode according to claim 1, wherein  
said conducting pad is comprised of a plurality of conducting  
pads.

20 4. The treatment electrode according to claim 3, further  
comprising a conducting pad connector for electrically and  
mechanically connecting said plurality of pads, wherein the  
length of said conducting pad connector is changeable.

5. The treatment electrode according to claim 3, further  
25 comprising a conducting pad connector for electrically and  
mechanically connecting said plurality of pads, wherein said  
conducting pad connector is flexible.

6. The treatment electrode according to claim 1, further

comprising an impedance measuring means for measuring the impedance of said body part to which said conducting pad is attached by flowing a measuring current in said body part.

7. The treatment electrode according to claim 6, further  
5 comprising an impedance information transmitting means for transmitting a measurement result in impedance by said impedance measuring means outside at radio transmission, wherein said receiving means receives, as said control signal, treatment  
controlling information corresponding to the body fat, the muscle  
10 bulk, the bone mass and/or the water content of said body part which are calculated from the measured impedances.

8. The treatment electrode according to claim 7, wherein said controlling means varies the output and/or frequency of said pulsed current to be supplied to said human body by said treatment  
15 current supplying means on, as said control signal, said treatment controlling information corresponding to the body fat, the muscle bulk, the bone mass and/or the water content of said body part.

9. The treatment electrode according to claim 8, wherein said controlling means varies the width of said pulsed current  
20 commensurate with the degree of the body fat of said body part which is calculated.

10. The treatment electrode according to claim 1, further comprising a pad adhering means for adhering said conducting pad to said human body.

25 11. The treatment electrode according to claim 10, wherein said pad adhering means is configured such that said conducting pad is made of an adhesive sheet with electric conduction.

12. The treatment electrode according to claim 1, wherein

said conducting pad is comprised of a plurality of conducting pads commensurate with different kinds of shapes of said body part.

13. The treatment electrode according to claim 12, further comprising a clothing with said plurality of conducting pads which  
5 are fixed so as to be contacted to said body part at treatment.

14. The treatment electrode according to claim 1, further comprising a number of heart beat detecting means for detecting the number of heart beat through said conducting pad to be contacted to said body part.

10 15. A device for treatment, comprising:

a treatment electrode; and

a controller for controlling said treatment electrode,  
said controller including:

15 an input means for inputting information about said treatment;

a control signal generating means for generating a control signal on said information input by said input means; and

a control signal transmitting means for transmitting said control signal generated by said control signal generating  
20 means at radio transmission.

16. The treatment device according to claim 15, further comprising a plurality of conducting pads.

17. The treatment device according to claim 15, wherein said controller further includes a pulsed current supply  
25 selecting means which is configured so as to switchably select a pair of conducting pads or a pair of treatment electrodes for supplying a pulsed current through a treatment current supplying means from among three or more conducting pads or treatment

electrodes.

18. The treatment device according to claim 15, wherein said pulsed current supply selecting means is configured so as to switchably and successively select said pair of conducting pads  
5 or said pair of treatment electrodes so that said pulsed current is supplied successively through the successively selected pair of conducting pads or treatment electrodes.

19. The treatment device according to claim 15, wherein said treatment electrode includes an impedance measuring means  
10 for measuring the impedance of said body part to which said conducting pad is attached by flowing a measuring current in said body part, and said controller includes a selecting means which is configured so as to switchably select a pair of conducting pads or a pair of treatment electrodes for measuring an impedance of  
15 said body part through an impedance measuring means from among three or more conducting pads or treatment electrodes.

20. The treatment device according to claim 15, wherein said treatment electrode further includes an impedance measuring means for measuring the impedance of said body part to which said  
20 conducting pad is attached by flowing a measuring current in said body part, and

said controller further includes:

an impedance information receiving means for receiving, at radio transmission, an impedance measurement result  
25 of said body part which is measured by said impedance measuring means;

a calculating means for calculating the body fat, the muscle bulk, the bone mass and/or the water content of said body

part on the measured impedance received by said impedance  
information receiving means;

a control signal generating means for generating  
treatment information as a control signal on the calculated result  
5 by said calculating means; and

a control signal transmitting means for transmitting,  
at radio transmission, said control signal generated by said  
control signal generating means.

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